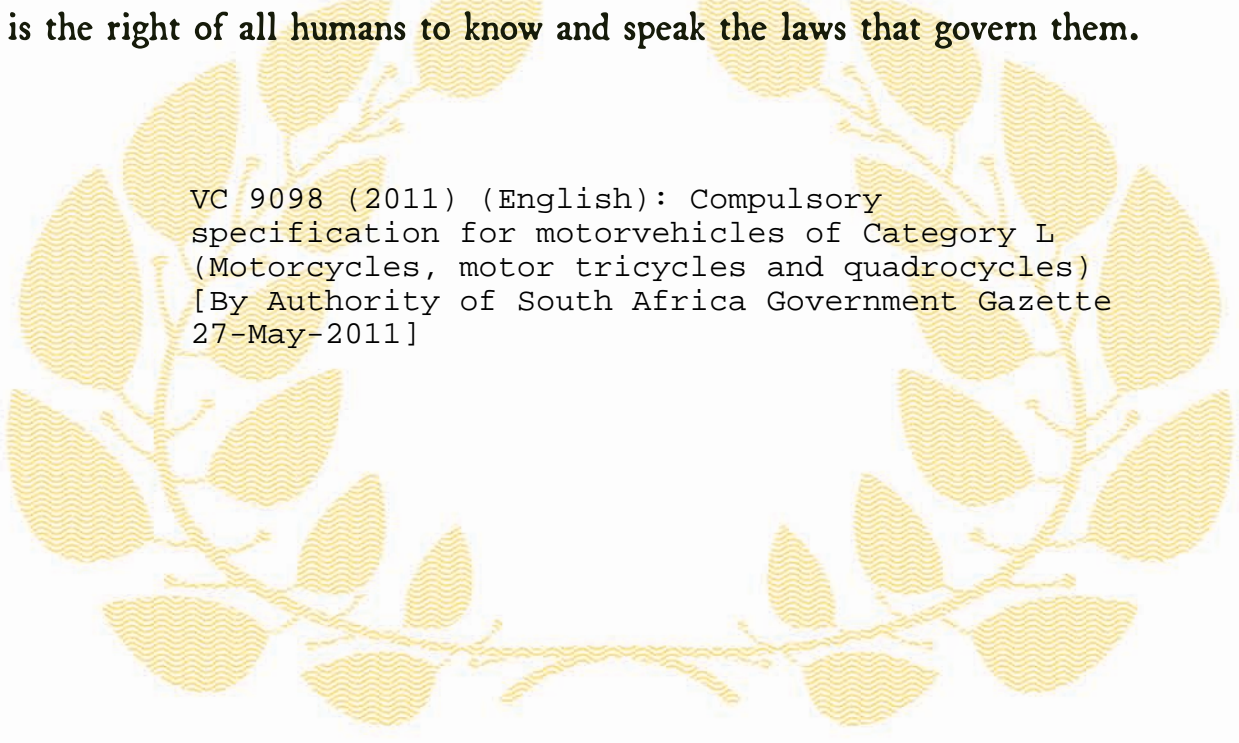




# *Republic of South Africa*

## EDICT OF GOVERNMENT

In order to promote public education and public safety, equal justice for all, a better informed citizenry, the rule of law, world trade and world peace, this legal document is hereby made available on a noncommercial basis, as it is the right of all humans to know and speak the laws that govern them.



VC 9098 (2011) (English): Compulsory  
specification for motorvehicles of Category L  
(Motorcycles, motor tricycles and quadrocycles)  
[By Authority of South Africa Government Gazette  
27-May-2011]



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**DEPARTMENT OF TRADE AND INDUSTRY**

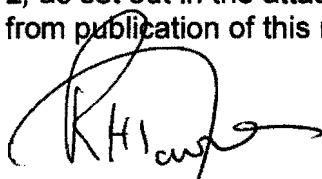
**No. R. 443**

**27 May 2011**

**NATIONAL REGULATOR FOR COMPULSORY SPECIFICATIONS ACT  
(Act 5 of 2008)**

**INTRODUCTION OF A COMPULSORY SPECIFICATION FOR MOTOR  
VEHICLES OF CATEGORY L**

I, Dr Rob Davies, Minister of Trade and Industry, hereby under Section 13 (1) (a) of the National Regulator for Compulsory Specifications Act (Act 5 of 2008), introduce the Compulsory Specification for *Motor Vehicles of Category L*, as set out in the attached schedule, with effect from the date six (6) months from publication of this notice.

A handwritten signature in black ink, appearing to read 'R. Davies', is written over the text of the notice.

Dr Rob Davies, MP  
Minister of Trade and Industry

## **SCHEDULE**

### **COMPULSORY SPECIFICATION FOR MOTOR VEHICLES OF CATEGORY L**

**VC 9098**

#### **1 Scope**

**1.1** This specification covers the requirements for motor vehicle models of category L, not previously registered or licensed in South Africa, and motor vehicle models assembled from new frames or bodies and used parts from earlier designs of motor vehicle models, designed or adapted for operation on a public road.

**1.2** The requirements of this specification, insofar as the parts already incorporated are concerned, apply in respect of incomplete motor vehicles supplied by one manufacturer to another for further manufacture and the entire specification shall apply to vehicle after completion thereof by the last manufacturer.

**1.3** This specification does not apply to:

- a) experimental or prototype vehicles constructed or imported for the purpose of testing, assessment or development,
- b) a motor vehicle model that was manufactured before 1965, that has not been previously registered or licensed in South Africa, and that is certified by a motor club approved by the relevant Minister,
- c) vehicles with a maximum design speed not exceeding 6 km/h,
- d) vehicles intended for use by persons with disabilities,
- e) vehicles intended for pedestrian control,
- f) vehicles intended for use in competitions, on roads, or in off-road conditions,
- g) tractors and machines used for agricultural or similar purposes, and
- h) vehicles designed primarily for off-road leisure use and cycles that are equipped with an auxiliary electric motor that has a maximum continuous rated power of 0,25 kW, of which the output is progressively reduced and finally cut off as the vehicle reaches a speed of 25 km/h, or sooner.

**1.4** Where a South African national standard, including an international standard or a UN ECE regulation adopted as a South African national standard, is incorporated by reference into this specification, only the technical requirements/specification for the commodity and the tests to verify the compliance, apply.

#### **2 Definitions**

For the purposes of this document, the following definitions shall apply:

Where speeds are quoted in these definitions, a tolerance of 10 % for shall be acceptable.

motor vehicle defined in 2.2 to 2.8

## 2.2

### **category L<sub>1</sub> motor vehicle**

moped

two-wheeled vehicle with a maximum design speed not exceeding 45 km/h and that is characterized by an engine whose

- a) cylinder capacity does not exceed 50 cm<sup>3</sup>, in the case of the internal combustion type, or
- b) maximum continuous rated power is not more than 4 kW, in the case of an electric motor

## 2.3

### **category L<sub>2</sub> motor vehicle**

moped

three-wheeled vehicle with a maximum design speed not exceeding 45 km/h and that is characterized by an engine whose

- a) cylinder capacity does not exceed 50 cm<sup>3</sup> if, of the spark (positive) ignition type, or
- b) maximum net power output does not exceed 4 kW, in the case of other internal combustion engines, or
- c) maximum continuous rated power does not exceed 4 kW, in the case of other internal electric motors

## 2.4

### **category L<sub>3</sub> motor vehicle**

motorcycle

two-wheeled vehicle without a sidecar, fitted with an engine that has a cylinder capacity of more than 50 cm<sup>3</sup>, if of the internal combustion type, or that has a maximum design speed of more than 45 km/h (or both)

## 2.5

### **category L<sub>4</sub> motor vehicle**

motorcycle

sidecar

two-wheeled vehicle with a sidecar, fitted with an engine that has a cylinder capacity of more than 50 cm<sup>3</sup>, if of the internal combustion type, or that has a maximum design speed of more than 45 km/h (or both)

## 2.6

### **category L<sub>5</sub> motor vehicle**

motor tricycle

vehicle with three-wheels that are symmetrically arranged, fitted with an engine that has a cylinder capacity of more than 50 cm<sup>3</sup>, if of the internal combustion type, or a maximum design speed of more than 45 km/h (or both)

## 2.7

### **category L<sub>6</sub> motor vehicle**

four-wheeled vehicle whose unladen mass is not more than 350 kg, not including the mass of the batteries, in case of electric vehicles, whose maximum design speed is not more than 45 km/h, and

- a) whose engine cylinder capacity does not exceed 50 cm<sup>3</sup> for spark (positive) ignition engines, or
- b) whose maximum net power output does not exceed 4 kW, in the case of other internal combustion engines, or
- c) whose maximum continuous rated power does not exceed 4 kW, in the case of electric engines

**2.8****category L<sub>7</sub> motor vehicle**

four-wheeled vehicle, other than those classified as category L<sub>6</sub>,

- a) whose unladen mass exceeds 350 kg but is not more than 400 kg (550 kg for vehicles intended for carrying goods), not including the mass of batteries, in the case of electric vehicles; and
- b) whose maximum continuous rated power does not exceed 15 kW

**2.9****manufacturer**

a person who, for the purpose of his/her business of selling motor vehicles, manufactures, modifies or assembles category L motor vehicles.

**2.10****model**

manufacturer's description of a series of category L motor vehicle designs that do not differ in respect of dimensions and specification that have a bearing on safety systems of the vehicle.

\*The Regulatory Authority reserves the right to decide which variations constitute a new model, and may take cognisance of the classification system applied in the country of origin.

**3 General requirements****3.1 Lights and lighting equipment****3.1.1 Lights**

Lights fitted to a vehicle shall comply with the relevant requirements of SANS 20050, SANS 20056 or SANS 20057, SANS 20072, SANS 20076 or SANS 20082.

**3.1.2 Retro-reflecting devices**

Retro-reflecting devices fitted to a vehicle shall comply with the requirements of SANS 20003. Side retro-reflectors shall be amber regardless of their position.

**3.1.3 Lighting installation**

**3.1.3.1** The number of lamps for lighting installation shall be as follows:

- a) main-beam headlamps: 1 (min.)
- b) dipped-beam headlamps: 1 (min.)
- c) stop lamps: 1 (min.)
- d) directional indicator lamps: 2 front, 2 rear
- e) rear registration lamps: 1 (min.)
- f) front position lamps: 1 (min.)
- g) rear position lamps: 1 (min.)

**3.1.3.2** Lighting installation of vehicles of category L<sub>1</sub> and L<sub>2</sub> shall comply with the requirements in SANS 20074.



**3.1.3.3** Lighting installation of vehicles of category L<sub>3</sub>, L<sub>4</sub> and L<sub>5</sub> shall comply with the requirements in SANS 20053.

**3.1.3.4.** Lighting requirements for vehicles of category L<sub>6</sub> shall comply with the lighting requirements for vehicles of category L<sub>2</sub>, and vehicles of category L<sub>7</sub> shall comply with the lighting requirements for vehicles of category L<sub>5</sub>. Lighting installation for vehicles of category L<sub>6</sub> and L<sub>7</sub> may, alternatively, comply with the requirements of SANS 20048.

## **3.2 Rear-view mirrors**

Rear-view mirrors shall be fitted to a vehicle and shall comply with the relevant requirements given in SANS 20081.

## **3.3 Windscreens, windshields and windscreen wipers**

### **3.3.1 Windscreens and windshields**

**3.3.1.1** A vehicle with enclosing bodywork and a roof over the driver shall be fitted with a windscreen and such windscreen shall be of safety glass that complies with the relevant requirements given in SANS 20043.

**3.3.1.2** The windscreen referred to in 3.3.1.1 shall have a light transmittance of not less than 70 %.

### **3.3.2 Windows and partitions**

Glass partition and glass windows fitted to a vehicle shall be of safety glass that complies with the relevant requirements given in the SANS 20043.

The provisions of 3.3.1 and 3.3.2 exclude equipment used for deflecting wind.

### **3.3.3 Windscreen wipers**

Where a vehicle is fitted with a windscreen, it shall be fitted with at least one windscreen wiper. The windscreen wiper shall be operated by other than manual means and, when in operation, shall continuously, evenly and efficiently wipe the outside of the windscreen directly in front of the driver's forward field of vision.

## **3.4 Brakes and braking equipment**

Brakes and braking equipment shall be fitted to a vehicle and shall comply with the relevant requirements given in SANS 20078.

## **3.5 Audible warning devices**

A vehicle shall be fitted with at least one audible warning device such that, when the device is operated, a continuous sound is emitted at a level of at least the following, determined in accordance with SANS 20028:

- a) 83 dB(A) and not exceeding 112 dB(A) for audible warning devices intended mainly for vehicles with a power less than or equal to 7 kW (L<sub>1</sub>, L<sub>2</sub> and L<sub>6</sub>);
- b) 93 dB(A) and not exceeding 112 dB(A) for audible warning devices intended mainly for vehicles with a power greater than 7 kW (L<sub>3</sub>, L<sub>4</sub>, L<sub>5</sub> and L<sub>7</sub>).

## **3.6 Controls**

### **3.6.1 Controls**

All controls that are fitted to a 2 wheel L category vehicle, and that are required for the operation of that vehicle, shall be so located that the rider of the vehicle can reach and operate them when

seated in the normal riding position. Controls shall be so placed that they do not impair safe riding. These shall comply with the relevant requirements of SANS 20060.

### **3.6.2 Tell-tale displays**

Any Tell-tale displays fitted to the vehicle shall comply with the relevant requirements of SANS 20060.

## **3.7 Devices to prevent unauthorised use**

Devices to prevent unauthorised use shall be fitted to vehicles with handlebars and shall comply with the requirements of SANS 20062.

## **3.8 Speedometers**

A vehicle shall be equipped with speedometer equipment that complies with the relevant requirements given in SANS 20039

## **3.9 Motor vehicles of category L<sub>6</sub> and L<sub>7</sub>**

Vehicles of category L<sub>6</sub> shall comply with the requirements for vehicles of category L<sub>2</sub>, and vehicles of category L<sub>7</sub> shall comply with the requirements for vehicles of category L<sub>5</sub>.

## **4 Information to be displayed**

The following information shall be displayed legibly and permanently:

- a) the engine number, on the engine block of the vehicle; and
- b) the vehicle identification number (VIN) that complies with the relevant requirements given in SANS 3780:1983, *Road vehicles - World manufacture identifier (WMI) code* and SANS 3779:1983, *Road vehicles - Vehicle identification number-Content and structure*, which shall be readily visible on the frame of the vehicle.

## **5 Requirements for the control of environmental interference**

### **5.1 Suppression of radio and television interference**

All components, accessories or equipment fitted to a vehicle and that generate and radiate electromagnetic energy, shall comply with the relevant national legislation in terms of the Electronic Communications Act, 2005 (Act No.36 of 2005) and its Regulations.

### **5.2 Suppression of atmospheric pollution**

#### **5.2.1**

The gaseous and particulate emissions from the vehicle shall comply with the requirements of SANS 20040 or SANS 20047 as applicable.

### **5.3 Suppression of noise emission**

With the exception of noise emission originating from audible warning devices, any noise emitted by a vehicle shall be determined in accordance with SANS 20009, SANS 20041, or SANS 20063. The noise emitted by the vehicle shall not exceed the values given in SANS 20009, SANS 20041 or SANS 20063.



## **6 Engine and exhaust systems**

### **6.1 Engine**

The engine of a vehicle shall be so fitted as to comply with the relevant national legislation in terms of the National Road Traffic Act, 1996 (Act 93 of 1996) and its Regulations, and shall not be so exposed that it constitutes a source of danger.

### **6.2 Exhaust systems**

The exhaust system of a vehicle shall comply with the requirements of the relevant national legislation in terms of the National Road Traffic Act (Act 93 of 1996), and its Regulations and shall not be so exposed that it constitutes a source of danger.

## **7 Fuel systems**

### **7.1 Filler cap**

The orifice for filling the fuel tank on a vehicle shall be fitted with a cap that effectively prevents incidental ingress of water or other foreign matter.

### **7.2 Fuel tank, carburettor, fuel injector and fuel pipes**

Any fuel tank, carburettor, fuel injector and fuel pipes on a vehicle, shall not be so exposed that they constitute a source of danger.

## **8 Tyres**

**8.1** A vehicle shall be fitted with tyres that comply with the requirements given in SANS 20075.

**8.2** If retro-reflective tyres are fitted to a two-wheeled vehicle, the tyres shall be retro-reflective tyres that comply with the requirements of SANS 20088.

## **9 Homologation requirements**

### **9.1 Homologation**

Each registered Manufacturer, Importer or Builder (MIB) shall have each model of motor vehicle from a specific source, covered by the scope of this compulsory specification, homologated by the regulatory authority in accordance with the requirements of Annexure A.

### **9.2 Rights of homologation approval**

The rights of homologation approval, so granted for a vehicle model in 9.1, shall lie with the registered MIB that obtained such approval only. This may only be transferable, on request to, and be authorized by, the regulatory authority, to another registered MIB, after agreement in writing of the homologation approval holder.

## 10 Equivalent requirements

The requirements of any of the South African national standards stated in column 2 in the appropriate parts of Table 1, shall be deemed to have been met, if compliance with the equivalent standards given in columns 3, 4 or 5 of the same table, or their later amendment levels is achieved. Where an EEC Directive is quoted in column 4 with its amendment level, this shall mean that the Directive, and its amendments up to, and including the quoted level, is the minimum level deemed equivalent.

### Schedule 1-Operative Dates-Exclusions

1	2	3	4	5
Sub-section	Item	Operative Date	Exclusions	Exclusion Expiry Date
9 Homologation	Homologation requirements- Annexure A	6 months from Gazetting date	Vehicle models previously approved to obtain NaTIS Number	2 years after operative date

**Table1- Deemed Equivalent Standards**

Col-1 Item	Col-2 SANS	Equivalent Standard		
		Col-3 ECE	Col-4 EEC	Col-5 Others
Installation of lighting	20048 20053 20074	R48 R58 R74	96/24/EC 93/92/EC	
Lights and signaling devices	20050 20056 20057 20076 20072 20082	R50 R56.01 R57.02 R76.01 R72.0 R82.01	97/24/EC C2	
Retro-reflective devices	SANS 20003	R3		
Safety Glazing	20043	R43	92/22/EC 97/24/EC C12	
Braking	20078	R78.02	93/14/EC	
Audible warning devices	20028	R28	93/30/EC	
Speedometer	20039	R39	2000/7/EC	
Gaseous emissions	20040 20047	R40 R47	97/24/EC C5 2002/51/EC	GTR 2
Tyres	20075 20088	R75 R88	97/24 /EC/ C1	
Devices to prevent un-authorized use	20062	R62	93/33/EC	
Rear view mirrors	20081	R81	97/24/EC C4	
Noise emission	20009 20041 20063	R9.06 R41.03 R63.01	97/24/EC C9	
Tell-tales	20060	R60	93/29/EC	
Radio and television interference	Act 1996	R10.01	72/245	

## **Annexure A**

### **Administrative Process - Homologation of Models of Motor Vehicles of Category L**

1. The Applicant shall formally submit a request for homologation, for each model of motor vehicle intended to be manufactured or imported, in writing, to the Regulatory Authority providing information of his/her intention to homologate that model of vehicle.
2. The Regulatory Authority shall forward to the Applicant the relevant homologation application documents for each model, requested in 1 above. The application documents shall stipulate the information to be submitted to the Regulatory Authority, and these shall accompany the submitted application.
3. The Applicant shall complete the application and provide the necessary requested supporting documentation, and forward it to the Regulatory Authority. The appropriate fee for the homologation, as determined by the Minister by Notice in the Government Gazette, shall be paid to the Regulatory Authority.
4. Upon receipt of the completed application and the required documents, the Regulatory Authority shall review the documents for correctness, completeness, and authenticity. Incorrect documentation, or insufficient documentation, will be reported to the applicant, for his/her correction.
5. Once the application documentation is correct, the Regulatory Authority shall formally confirm to the Applicant the date and place for the sample vehicle to be inspected as part of the homologation process (if not already submitted).
6. At the homologation inspection, the Regulatory Authority shall inspect the sample vehicle and verify it against all mandatory requirements and the submitted evidence of conformity in the application documents, to these requirements.
7. Any non-compliances identified in 6 above, shall be resolved by the Applicant, to the satisfaction of the Regulatory Authority.
8. Once the homologation process establishes that the vehicle model complies with all the relevant mandatory requirements, the Regulatory Authority shall issue a formal Letter of Compliance (Homologation Approval Letter), to the applicant.
9. The original application documents, and copies of supporting evidence of compliance documents, as necessary, shall be taken, and maintained as Homologation Records, by the Regulatory Authority.

#### **Source of evidence**

The evidence of compliance to any of the requirements of any referred-to standard in this compulsory specification, which requires testing to establish compliance, and a test report issuing, will only be recognized by the Regulatory Authority, from the following sources:

- 1) A laboratory that is part of an international or regional mutual acceptance scheme, or
- 2) A laboratory that is accredited to ISO/IEC 17025 by SANAS or an ILAC affiliated accreditation body, or
- 3) The laboratory has been successfully assessed against the requirements of ISO/IEC 17025 to the satisfaction of the Regulatory Authority.